

Hydro. 5514 - 5562

May 7-8, 1914

Oregon Coast

St 4.

May 7 - May 8, 1914

Hydro. 5514 - 5562

Dredge } No. 5514 Date, May 7, 1914
 Hydrog. }
 Sdg. Mch. TN Reel TN Shot/Lead 25 lbs.
 Turns 90 Cor'n Depth 49 fms.
 Sdg. Cup Arming Amt. Bot'm Sample
 Character of Bottom gy S

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54 Time 7.20 Air { 55
 Time

Density: Surf. fms.

Wind: Direction East Force 1-2

Baromet. 29.99 Amt. of Clouds 10 State of Sea 17

Weather 0/2

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Of Oregon Coast

Position Yaquina Light bears S 8 1/2° E (true) distant 18.1 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder A. Tuttle

SOUNDING WIRE.				FMS.	DREDGING CABLE.					
A M. Down.		Up. A M.			M. Down.		Up.		M.	
9	20	9	22	0						
				100						
				200						
				300						
				400						
				500						
				600						
				700						
				800						
				900						
				1000						
				1100						
				1200						
				1300						
				1400						
				1500						
				1600						
				1700						
				1800						
				1900						
				2000						
				2100						
				2200						
				2300						
				2400						
				2500						
				2600						
				2700						
				2800						
				2900						
				3000						
				3100						
				3200						
				3300						
				3400						
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				3600						
				3700						
				3800						
				3900						
				4000						
				4100						
				4200						
				4300						
				4400						
				4500						
				4600						
				4700						
				4800						
				4900						

21

Dredge } No. 5515 Date, May 13, 1914
Hydrog }

Sdg. Mch. T/A Reel T/A Shot/Lead 25 lbs.

Turns 84 Cor'n Depth 45 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make
No.Cor'n { Instr.
Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 9:03 a } Air { 55
Time

Density: Surf. fms.

Wind: Direction E-NE Force 2-3

Baromet. 29.99 Amt. of Clouds 10 State of Sea 22

Weather op

Direction and Force of Current { Surface
Bottom

Tide

General Locality Oregon Coast

Position Yaquina Light bears S 7° E (true) distant 19.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder A. M. J.

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
A. M. DOWN.		UP.	A. M.		M. DOWN.		UP.	M.
9	33		9 35	0				
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
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				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

22

Dredge } No. 556 Date, May 7, 1914
 Hydrog. }
 Sdg. Mch. TN Reel TN Shot Lead 25 lbs.
 Turns 85 Cor'n _____ Depth 46 fms.

Sdg. Cup Ataining Amt. Bot'm Sample _____

Character of Bottom gy S

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 54 Time 9:50 a } Air { 55
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction East Force 3

Baromet. 30.00 Amt. of Clouds 10 State of Sea M

Weather op

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Oregon Coast

Position Yaquina Light bears S5½°E (true) distant 19.8 miles

Chart used: No. 6000 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: ~~At 10:50 Sounded in 92 meters (= 50 fms), and put over Hansen Peterson with bottle with 82 mtr. cable. When down 5 min sent messenger down and hove up~~

Deck Officer Mr. Glick Recorder J. Whit

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. DOWN.	UP.	A. M.		A. M. DOWN.	UP.	A. M.
9 50	9 52		0	10 50	11 00	00
			100	10 51	30 10	57 30
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Nansen Peterson
Water bottle

5 m.

43
Dredge } No. 5514 Date, May 7, 1914
Hydrog. }
Sdg. Mch. TN Reel TN Shot Lead 25 lbs.
Turns 87 Cor'n Depth 48 fms.
Sdg. Cup Tanning Amt. Bot'm Sample
Character of Bottom gy S
Thermom. { Make Cor'n { Instr.
 { No. { Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { 54 Time 2 } Air { 55
 { { {
Density: Surf. fms.
Wind: Direction East Force 3
Baromet. 30.00 Amt. of Clouds 10 State of Sea M
Weather or

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Oregon Coast

Position Cape Kiwanda bears N 26 1/2° E (true) distant 13.3 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder Armit

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
A. M. Down.	Up.	A. M.			M. Down.	Up.	M.	
10	05	10	07	0				
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
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				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

24 *Sat*
 Dredge } No. *5108* Date, *May 2*, 19*11*
 Hydrog. }
 Sdg. Mch. *TN* Reel *TN* Shot & Lead *25* lbs.
 Turns *88* Cor'n _____ Depth *48* fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom *gy. s.*
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading *17.3* cel. Cor'd Temp. (*Stem = 1*)
 Temp. Surf. { *52.1°* Time *11:00 a* } Air { _____
 { _____ Time _____ } { _____
 Density: Surf. _____ fms. _____
 Wind: Direction *East* Force *3*
 Baromet. *30.00* Amt. of Clouds *10* State of Sea *M*
 Weather *cr*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *off Cape Cod*

Position *Cape Kiwanda bears N 29° E (true) distant 12.7 miles*
 Chart used: No. *6000* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used *Tanner Peterson No. 1*
with no. 2 machine, 500 ft. cable & 25 lb. shot.

Time towing _____ h. _____ m.

Remarks: *At 12:12 hauled 2 crabs at 10:50 hauled in 92 m (100 ft) and put overboard. Peterson with 100 m cable. Hauled down 5 min. and hauled up and then up. Bottom brown. fine to very fine. Had day continued to 12:17, up to 12:10*

Deck Officer *W. G. R.* Recorder *W. G. R.*

SOUNDING WIRE.

FMS.

M. Down. | Up. | M.

10' 17

8 21

0

10' 50

11' 00

92 700

10' 57

10' 57

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Trawl Hydrog. No. 2579 Date, () , 1914

Sdg. Mch. T. Reel Shot Lead 25 lbs.

Turns 93 Cor'n Depth 51 fms.

Sdg. Cup Arming on lead Amt. Bot'm Sample

Character of Bottom gy

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 12:25 } Air { 54° Time

Density: Surf. fms.

Wind: Direction East Force 2

Baromet. 30.02 Amt. of Clouds 10 State of Sea S

Weather S

Direction and Force of Current { Surface Bottom

Tide

General Locality Cape Kivanda

Position Cape Kivanda bears N 31 1/2° E (true) distant 11.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer C. L. Recorder

SOUNDING WIRE.

P M. DOWN. | UP. *P* M.

12	23	40	12	25	20
----	----	----	----	----	----

DREDGING CABLE.

M. DOWN, UP, M.

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 5720 Date, May 7, 1904
 Hydrog. }
 Sdg. Mch. T. H. Reel Shot } 25 lbs.
 Lead }
 Turns 94 Cor'n Depth 51 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom gy. sh.
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 54° Time 12:40 } Air { 53°
 { Time }
 Density: Surf. fms.
 Wind: Direction East Force 2
 Baromet. 30.02 Amt. of Clouds 10 State of Sea
 Weather CL
 Direction and Force of Current { Surface
 { Bottom
 Tide

General Locality Off Oregon Coast

Position Cape Kiwanda bears N 33 1/2° E (true) distant 11.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Ch. Basu Mahony Recorder C. H. L.

SOUNDING WIRE.

M. Down. | Up. | M.

12 | 40 | 35 | 12 | 43 | 00

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 26 Date, Sept 7, 1914
 Hydrog. }
 Sdg. Mch. 72 Reel Shot } 25 lbs.
 Lead }
 Turns 91 Cor'n Depth 47 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom *llh s*

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 1:00 P } Air { 54.5°
 Time

Density: Surf. fms.

Wind: Direction East Force 2

Baromet. 30.03 Amt. of Clouds 10 State of Sea 0

Weather *ci*

Direction and Force of Current { Surface
 Bottom

Tide

General Locality *off Cape Kiwanda*

Position Cape Kiwanda bears N 36 1/2° E (true) distant 10.2 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Time 1:00 P.M. Wet bulb 53.0 Dry bulb 53.8

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
12	57	20	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

-Dredge } No. 5522 Date, August 7, 1914
Hydrog. }

Sdg. Mch. *7-11* Reel *U* Shot *26* Lead *lbs.*

Turns 88 Cor'n Depth 48 fms.

Sdg. Cup *Admiral M. C. Cook* Amt. Bot'm Sample -----

Character of Bottom *rusty*

Thermom. { Make -----
 { No. -----

Cor'n { Instr. -----
 { Stem. -----

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 4:15 P } Air { 54°
Time

Density: Surf. *fms.*

Wind: Direction *S.E.* Force *2-3*

Baromet. 30.63 . . . Amt. of Clouds 10 . . . State of Sea - 1

Weather *01* 271

Direction and Force of Current.	Surface	
	Bottom	

Tide

General Locality Oregon Coast

Position Cape Kiwanda bears $N 39\frac{1}{2}^{\circ} E$ (true) distant 9.5 miles.

Chart used: No. 6000 Ed'n 7/5

Drift: Direction _____ *Distance* _____

Depth of Haul _____

Apparatus and Rig used

Time towing h. m.

Remarks: _____

Deck Officer *W. B. Best* *Manually* Recorder *W. B. Best*

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
<i>P</i> M. Down.			Up.	<i>P</i> M.			M. Down.	Up.	M.
1	13	20	1	15	30	0			
						100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
						1400			
						1500			
						1600			
						1700			
						1800			
						1900			
						2000			
						2100			
						2200			
						2300			
						2400			
						2500			
						2600			
						2700			
						2800			
						2900			
						3000			
						3100			
						3200			
						3300			
						3400			
						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

Hydrog. } No. 5-5-3 Date, Aug 7, 1911

Sdg. Mch. 7.5 H. Reel Shot } 34 lbs.

Turns 86 Cor'n Depth 47 fms.

Sdg. Cup 1000 Amt. Bot'm Sample

Character of Bottom 0.5

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time Air { 54°

Density: Surf. fms.

Wind: Direction S.E. Force 3

Baromet. 30.03 Amt. of Clouds 10 State of Sea C

Weather or

Direction and Force of Current { Surface Bottom

Tide

General Locality Gulf of Mexico

Position Cape Kiwanda bears N 43 1/2° E (true) distant 8.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer (L. A. H. Berthoff) Order 10-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	P. M.			M. Down.	Up.	M.
129	15	132	00	0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Hydrog. } No. 55-26 Date, July 7, 1911
 Sdg. Mch. T.M. Reel V Shot Lead 25 lbs.
 Turns 51 Cor'n Depth 44 fms.
 Sdg. Cup *Running on lead* Amt. Bot'm Sample
 Character of Bottom *gy. s.*
 Thermom. { Make Cor'n { Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 54 Time 1:46 p } Air { 64
 Time
 Density: Surf. fms.
 Wind: Direction S.E. Force 3-4
 Baromet. 30.03 Amt. of Clouds 10 State of Sea 1
 Weather *od*
 Direction and Force of Current { Surface
 Bottom
 Tide
 General Locality *Off Cape Kwana Coast*
 Position *Cape Kwana bears N 44 1/2° E (true) distant 7.4 miles*
 Chart used: No. 6000 Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

Deck Officer *C. B. ...**C. B. ...*

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<i>P</i> M. DOWN.	Up.	<i>P</i> M.			M. DOWN.	Up.	M.
1	44	10	1	45	3-0		
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Bridge } No. 5525 Date, May 7, 1919
Hydrog. }

Sdg. Mch. T. 26 Reel Shot Lead 25 lbs.

Turns 77 Cor'n Depth 42 fms.

Sdg. Cup. Amalgam on lead Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 2:03 } Air { 54°
Time

Density: Surf. fms.

Wind: Direction S.E. Force 2-3

Baromet. 30.04 Amt. of Clouds 10 State of Sea C

Weather S

Direction and Force of Current { Surface Bottom

Tide

General Locality Cape Kiwanda

Position Cape Kiwanda bears N47°E (true) distant 6.5 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Ch. B. N. Recorder C. E. N.

SOUNDING WIRE.

P M. DOWN. | UP. | *P* M.

20015- 20210

DREDGING CABLE.

____ M. DOWN.	UP.	____ M.
---------------	-----	---------

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

32

Hydrog. } No. 5-5-2.6 Date, May 7, 1914

Sdg. Mch. Reel Shot/Lead 25 lbs.

Turns 74 Cor'n Depth 40 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 2.05 } Air { 57° Time

Density: Surf. fms.

Wind: Direction Force 2-4

Baromet. Amt. of Clouds State of Sea C

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Cape Kiwanda

Position Cape Kiwanda bears N 51° E (true) distant 5.5 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer: Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 07 32	2 10 12		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 529 Date, May 7, 1914
 Sdg. Mch. 7 Reel Shot } 25 lbs.
 Lead }
 Turns 63 Cor'n Depth 34 fms.
 Sdg. Cup Arming on lead Amt. Bot'm Sample
 Character of Bottom gy. s.
 Thermom. { Make Cor'n { Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time } Air {
 Time }
 Density: Surf. fms.
 Wind: Direction S.E. Force 3
 Baromet. 30.04 Amt. of Clouds 10 State of Sea
 Weather op.
 Direction and Force of Current { Surface
 Bottom
 Tide
 General Locality off Oregon coast
 Position Cape Kiwanda bears N 55 1/2° E (true) distant 4.4 miles
 Chart used: No. 6000 Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
Ⓐ	M. DOWN.	UP.	Ⓐ M.		M. DOWN.	UP.	M.
2	15	57	2 20 30	0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Hydrog. } No. 552 **B** Date, *Aug 7*, 191*4*
 Sdg. Mch. *T. 20* Reel *8111* Lead } 25 lbs.
 Turns *95* Cor'n _____ Depth *50* fms.
 Sdg. Cup *Drawing on reel* Amt. Bot'm Sample _____
 Character of Bottom *gy. s.*
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { *54°* Time *3:05 P* } Air { *54°*
 { _____ Time _____ } _____
 Density: Surf. _____ fms. _____
 Wind: Direction *SE* Force *2-4*
 Baromet. *30.04* Amt. of Clouds *10* State of Sea *7*
 Weather *3*
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____
 General Locality *Off Cape Kiwanda*
 Position *Cape Kiwanda bears N 80 1/2° E (true) distant 5.5 miles*
 Chart used: No. *6000* Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing _____ h. _____ m.
 Remarks: _____

SOUNDING WIRE.

P. M. Down. | Up. | P. M.

3 01 45 3 04 00

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Hydrog. } No. 55-29 Date, July 7, 1914
 Hydrog. }
 Sdg. Mch. Tanner Reel Shot 25 lbs.
 Lead
 Turns 95 Cor'n _____ Depth 52 fms.
 Sdg. Cup Arming or lead Amt. Bot'm Sample _____
 Character of Bottom gy. m.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 64° Time 3:20 P. } Air { 64°
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 3

Baromet. 30.6 Amt. of Clouds 10 State of Sea 1

Weather cy.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Cape Kiwanda Coast

Position Cape Kiwanda bears S87½°E (true) distant 5.4 miles

Chart used: No. 6000 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer L. J. ... Recorder C. E. ...

SOUNDING WIRE.

FMS.

DREDGING CABLE.

P. M. Down. Up. P. M.

M. Down. Up. M.

3 17 20 3 19 40

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Hydrog. } No. 4539 Date, June 7, 1914
 Sdg. Mch. T.M. Reel 1 Lead 25 lbs.
 Turns 2 Cor'n _____ Depth 60 fms.
 Sdg. Cup Platinum Amt. Bot'm Sample _____
 Character of Bottom gy. S.
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 54° Time 3:35 P } Air { 54°
 { _____ Time _____ } { _____
 Density: Surf. _____ fms. _____
 Wind: Direction S.E. Force 3
 Baromet. 30.04 Amt. of Clouds 10 State of Sea 7A
 Weather 03
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide _____
 General Locality Off Green Coast
 Position Cape Kiwanda bears 877° E (true) distant 5.5 miles
 Chart used: No. 6000 Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing _____ h. _____ m.
 Remarks: _____

SOUNDING WIRE.

P. M. Down. | Up. | P. M.

3 32 30 | 3 38 00

FMS.

DREDGING CABLE.

--- M. Down. | Up. --- M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Hydrog. } No. 5-15-34 Date, May 7, 1914
 Sdg. Mch. T. M. Reel Shot Lead 25 lbs.
 Turns 89 Cor'n Depth 48 fms.
 Sdg. Cup Running on reel Amt. Bot'm Sample
 Character of Bottom gy S.
 Thermom. { Make Cor'n { Instr. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 54° Time 3:53 } Air { 54°
 Density: Surf. fms.
 Wind: Direction S.E. Force 2-3
 Baromet. 30.03 Amt. of Clouds 10 State of Sea M.
 Weather oz.
 Direction and Force of Current { Surface Bottom
 Tide
 General Locality Off Cape Kiwanda
 Position Cape Kiwanda bears S 66° E (true) distant 5.5 miles
 Chart used: No. 6000 Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. DOWN.	UP.	P. M.		M. DOWN.	UP.	M.
3	58	30	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			1800			
			1900			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 155-32 Date, July 7, 1914

Sdg. Mch. T. H. Reel Shot Lead 25 lbs.

Turns 90 Cor'n Depth 49 fms.

Sdg. Cup 10 of 100 Amt. Bot'm Sample

Character of Bottom 200 yds sand

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54 Time 4:04 } Air { 55 }
Time

Density: Surf. fms.

Wind: Direction SE Force 3

Baromet. 30.04 Amt. of Clouds 9 State of Sea C

Weather b-c m

Direction and Force of Current { Surface Bottom

Tide

General Locality Cape Kiwanda Coast

Position Cape Kiwanda bears S 59 1/2° E (true) distant 6.2 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. F. J. Recorder A. L. Cook

SOUNDING WIRE.

✓ M. Down. | Up. | ✓ M.

404' 4' 57

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

--- M. Down. | Up. | M.

39

Tideg. } No. 5533 Date, May 7, 1912
 Hydros. }
 Sdg. Mch. T N Reel T N Shot Lead 25 lbs.
 Turns 87 Cor'n Depth 47 fms.
 Sdg. Cup Sph. Sph. Amt. Bot'm Sample
 Character of Bottom wgy sand

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 Time 4:27 P } Air { 55
 Time

Density: Surf. fms.

Wind: Direction SE Force 3

Baromet. 30.04 Amt. of Clouds 9 State of Sea C

Weather 6 cm

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Off Oregon Coast

Position Cape Kiwanda bears $849\frac{1}{2}^{\circ}$ E (true) distant 6.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. P. J. Recorder E. J. L.

SOUNDING WIRE.

P M. DOWN. UP. P M.

4 27 4 29

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Fired ^{for} } No. 5534 Date, July 7, 1911
 Hydrog. }
 Sdg. Mch. T N Reel T M Shot } 25 lbs.
 Lead }
 Turns 89 Cor'n Depth 48 fms

Sdg. Cup *So.* Int. Bot'm Sample
Character of Bottom *White Sand*

Thermom. { Make _____
 { No. _____

Cor'n { Instr. _____
 { Stem. _____

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 Time 4:52 P Air { 52

Density: Surf. fms.

Wind: Direction *070* Force *3*

Baromet.	59.5	Amt. of Clouds	0	State of Sea	1
----------	------	----------------	---	--------------	---

Weather bc

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \dots\dots\dots \\ \text{Bottom} \dots\dots\dots \end{array} \right.$

General Locality Off

Position Cape Mearns light bears $N 29 \frac{1}{2}^{\circ} E$ (true) distant...
10.5 miles

Chart used: No. 6100 Ed'n 18.5 miles

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing	h.	m.
-------------	----	----

Remarks:

Deck Officer *W. T. F.* Recorder *J. S. R.* 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
P. M. Down.	Up. P. M.		M. Down.	Up.	M.
4 52	4 54	0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 5534 Date, 1914
Hydrog. }
Sdg. Mch. T N Reel T N Shot 25 lbs.
Lead }
Turns 94 Cor'n Depth 51 fms.
Sdg. Cup Arming Amt. Bot'm Sample
Character of Bottom gy S

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 Time 5:22 } Air { 54
Time

Density: Surf. fms.

Wind: Direction SE x S Force 3

Baromet. 30.02 Amt. of Clouds 7 State of Sea

Weather b c

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position Cape Meares Light bears N 40° E (true) distant 8.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. B. Bibo Recorder (Smith)

SOUNDING WIRE.

P. M. DOWN. | UP. | P. M.

522 525

FMS.

DREDGING CABLE.

____ M. DOWN. | UP. | ____ M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 5516 Date, _____, 1914
 Hydrog. }
 Sdg. Mch. 7A Reel 7A Shot/Lead 25 lbs.
 Turns 150 Cor'n _____ Depth 26 fms.
 Sdg. Cup Arminac Amt. Bot'm Sample _____
 Character of Bottom 85 Sand
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 52 Time 6.07 } Air { 58
 { _____ { _____ { _____
 Density: Surf. _____ fms. _____
 Wind: Direction 30-35 Force 3
 Baromet. 30.61 Amt. of Clouds 7 State of Sea 1
 Weather 4-2

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality

Off Oregon Coast

Position Cape Mearns Light bears N 59 1/2° E (true) distant

Chart used: No. 6100 Ed'n 7.8 miles

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing h. m.

Remarks:

Time	Wet bulk	Dry bulk
6:00 A.M.	54.0	56.2

Deck Officer

W. Glick

Recorder

W. Glick

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
602	604		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 557 Date, , 19

Sdg. Mch. T N Reel T N Shot Lead lbs.

Turns 109 Cor'n Depth 57 fms.

Sdg. Cup Lophosiphia Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 6:39 P } Air { 55 Time

Density: Surf. fms.

Wind: Direction S E x S Force 3

Baromet. 32.01 Amt. of Clouds 4 State of Sea 4

Weather b c

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Oregon coast

Position Cape Mearns light bears N 80° E (true) distant 7.1 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down.

Up.

M.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 8 Date, , 19
Hydrog. }

Sdg. Mch. 7 Reel Shot Lead 25 lbs.

Turns 114 Cor'n Depth 62 fms.

Sdg. Cup Soft Soap Amt. Bot'm Sample

Character of Bottom Green mud - Hard bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 6:30 Air { 55

Density: Surf. fms.

Wind: Direction 3 SE Force 3

Baromet. Amt. of Clouds 11 State of Sea 1

Weather B 2

Direction and Force of Current { Surface Bottom

Tide

General Locality Cape Oregon Coast

Position Cape Mearns Light bears N 87° E (true) distant 7.8 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer J. H. Allen Recorder J. H. Allen

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.	Up.	M.
6 56	6 59	

M. Down.	Up.	M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

11-10224

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
7.07	7.09		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Dredge~~
Hydrog. } No. 49 Date, May, 1906

Sdg. Mch. TN Reel TN Shot Lead 22 lbs.

Turns 105 Cor'n _____ Depth 57 fms.

Sdg. Cup *Soft Soup* Amt. Bot'm Sample
Character of Bottom *AW* *Hard*

Thermom. { Make
 { No.

Cor'n { Instr.
 { Stem.

Bottom Reading . . . Cor'd Temp.

Temp. Surf. { 57 Time 7:07 P } Air { 55
Time

Density: Surf. fms.

Wind: Direction. E x N Force 3

Baromet. 30.01 *Amt. of*
Clouds 7 *State of*
Sea L

Weather 4 C

Direction and Force of Current. } Surface
} Bottom

Tide _____

General Locality Ch. 10000

Position Cape Mearns Light bears $86^{\circ} 5\frac{1}{2}' E$ (true) distant
8.1 miles

Chart used: No. 6100 Ed'n _____

Drift: Direction	Distance
------------------	----------

Depth of Haul

Apparatus and Rig used

Time towing h, m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
P M. DOWN.		UP. P M.			M. DOWN.	UP.	M.
7	37	7	39	0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
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				2900			
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				3100			
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				3700			
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				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

(1)
Drag. } No. 546 Date, 11/11/19
Hydrog. }
Sdg. Mch. T N Reel T N Shot 25 lbs.
Lead

Turns 121 Cor'n Depth 55 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 5:06 P { Air {

Density: Surf. fms.

Wind: Direction E x N Force 3

Baromet. 30.01 Amt. of Clouds 7 State of Sea L

Weather L C

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position Cape Mearns Light bears S 48° E (true) distant 9.3 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder C. C. K.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8 06	8 08		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. Down.	Up.	A. M.		M. Down.	Up.	M.
6 30	6 32		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			1500			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

2.

Dredge } No. 5543 Date, May 5, 1914
Hydrog. }

Sdg. Mch. T. Reel 71 Shot Lead 25 lbs.

Turns 88 Cor'n Depth 48 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 6.57 a Air { Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Cape Oregon Coast

Position Cape Mearns Light bears S 26° E (true) distant 13.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. G. Recorder

SOUNDING WIRE.

M. Down.	Up.	M.
6 57	7 01	

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. Down.	Up.	M.

3.

Hydrog. } No. 5544 Date, Jan. 8, 1911

Sdg. Mch. 74 Reel 74 Shot Lead 25 lbs.

Turns 27 Cor'n Depth 47 fms.

Sdg. Cup 1/2 Amt. Bot'm Sample

Character of Bottom gys

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53 Time 7:30 Air { 53

Density: Surf. fms.

Wind: Direction East Force

Baromet. 29.93 Amt. of Clouds 8 State of Sea N

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears N17 1/2° E (true) distant 13.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer J. C. Giff Recorder

SOUNDING WIRE.

A M. Down. | Up. | *2* M.

7 | 30 | 7 | 33 |

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

4
Hedge } No. 505 Date, May 8, 1914
Hydrog. }
Sdg. Mch. 7N Reel 7N Shot/Lead 25 lbs.
Turns 92 Cor'n Depth 50 fms.
Sdg. Cup Armin Amt. Bot'm Sample
Character of Bottom gy. S.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.0 Time 8:00 a. Air { 54.0
Time

Density: Surf. fms.

Wind: Direction East Force 1

Baromet. 29.72 Amt. of Clouds 8 State of Sea 2

Weather bcz

Direction and Force of Current { Surface
Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears N 26 1/2° E (true) distant 11.0 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder B. B. Thompson

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<i>A</i> M. Down.	Up.	<i>A</i> M.			M. Down.	Up.	M.
7	57	30	7	59	30		
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
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				1900			
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				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
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				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

11-1025

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>9</i> M. DOWN.	UP.	<i>9</i> M.		--- M. DOWN.	UP.	--- M.
<i>8 22 00</i>		<i>8 24 00</i>	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl } No. 55-17 Date, May 1, 1914
 Hydrog. }
 Sdg. Mch. T.H. Reel 1 Shot } 25 lbs.
 Lead }
 Turns 95 Cor'n _____ Depth 52 fms.
 Sdg. Cup Canning Amt. Bot'm Sample _____
 Character of Bottom gy S
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading _____ Cor'd Temp. _____
 Temp. Surf. { 55° Time 8:53 a } Air { 60°
 { _____ Time _____ } { _____
 Density: Surf. _____ fms. _____
 Wind: Direction S.E. Force 1
 Baromet. 29.94 Amt. of Clouds 7 State of Sea _____
 Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Cape Cod

Position Tillamook Light bears N 57 1/2° E (true) distant 7.3 miles

Chart used: No. 6100 Ed'n. _____

Drift: Direction _____ Distance. _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer C. B. Tamm Recorder C. B. Tamm

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
<i>a</i> M. Down.	Up. <i>a</i> M.		M. Down.	Up.	M.
<i>85-000</i>	<i>85-2.00</i>	0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
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		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
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		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

7
Trawl & } No. 35-5-8 Date, Aug 8, 1914
Hydrog. }

Sdg. Mch. T. Reel Shot/Lead 25 lbs.

Turns 115 Cor'n Depth 62 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom 2(?) mud

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.5 Time 9:25 Air { 56.5
Time

Density: Surf. fms.

Wind: Direction S.W. Force /

Baromet. 29.94 Amt. of Clouds 9 State of Sea 1

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Cape Cod

Position Tillamook Light bears N 71° E (true) distant 9.7 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

Q. M. Down. Up. Q. M.

9 24 30 9 27 00

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. Down. Up. M.

6.
 Hydrog. } No. 55-49 Date, June 8, 1914
 Sdg. Mch. 9-H. Reel Shot Lead 25 lbs.
 Turns 121 Cor'n Depth 66 fms.
 Sdg. Cup Running on lead Amt. Bot'm Sample
 Character of Bottom gy. S.
 Thermom. { Make Cor'n { Instr. No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 53.5 Time 1:20 Air { 56°
 Density: Surf. fms.
 Wind: Direction S.E. Force 2-3
 Baromet. 29.94 Amt. of Clouds 10 State of Sea 2
 Weather 2
 Direction and Force of Current { Surface Bottom
 Tide
 General Locality Gulf of Oregon Coast
 Position Tillamook Light bears N 73 1/2° E (true) distant 10.5 miles
 Chart used: No. 6100 Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Time 9:45 A.M. Wet bulb 56.8 Dry bulb 64.0
 Deck Officer Recorder.

SOUNDING WIRE.

Q. M. DOWN.			UP.			Q. M.		
9	37	00	9	40	30			

FMS.

DREDGING CABLE.

M. DOWN.			UP.			M.		

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Deck Officer *C. B. Bailey* Recorder *W. H. Bailey* 11-1023

SOUNDING WIRE.

M. Down.	Up.	M.
95130	95413	

FMS.

DREDGING CABLE.

M. Down.	Up.	M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

10
Dredge } No. 55-51 Date, May 8, 1914
Hydrog. }
Sdg. Mch. T. M. Reel Shot Lead 25 lbs.
Turns 133 Cor'n Depth 72 fms.
Sdg. Cup Running on line Amt. Bot'm Sample
Character of Bottom gn M.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.5° Time 10:10a } Air { 56°
Time

Density: Surf. fms.

Wind: Direction S.E. x S Force 2

Baromet. 29.95 Amt. of Clouds 10 State of Sea S

Weather S

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position Tillamook Light bears N 77 1/2° E (true) distant 12.4 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer S. B. ... Recorder C. B. ...

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
A. M. Down.	Up. A. M.		M. Down.	Up.	M.
10 06 30	10 33	0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

//

Hydrog. } No. 5552 Date, Jan 8, 1914

Sdg. Mch. 7/16 Reel Shot Lead 25 lbs.

Turns 137 Cor'n _____ Depth 75 fms.

Sdg. Cup *Quercus* *Am.* Bot'm Sample

Character of Bottom *gr. 721*

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem} \end{array} \right.$

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 53.5° Time 10:22 } Air { 55° }

Density: Surf., *fms*.

Wind: Direction SE Force 2-3

Baromet.	29.8	Amt. of Clouds	7	State of Sea	3
----------	------	----------------	---	--------------	---

Weather *hcs*

<i>Direction and Force of Current.</i>	<i>Surface</i>
	<i>Bottom</i>

Tide

General Locality *California*

Position Tillamook Light bears $N 78^{\circ} E$ (true) distant
13.4 miles

Chart used: No. 6100 Ed'n 134th

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10 19 36-	10 22 10		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

12

Bridge } No. 4553 Date, May 22, 1904
Hydrog. }

Sdg. Mch. Reel Shot/Lead 35 lbs.

Turns 146 Cor'n Depth 79 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom 2.1.1.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 53.5° Time 10:15 } Air { 57° Time

Density: Surf. fms.

Wind: Direction S.E. Force 2-3

Baromet. 29.94 Amt. of Clouds 9 State of Sea

Weather B.C.

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears N 82° E (true) distant 16.3 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

C. M. Down. | Up. | *C.* M.

1052 | 10 | 1060

FMS.

DREDGING CABLE.

--- M. Down. Up. --- M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Hydrog. } No. 555-4 Date, May 8, 1914
 Sdg. Mch. T. L. C. Reel Shot/Lead 25 lbs.

Turns 152 Cor'n Depth 83 fms.

Sdg. Cup Drawing Sample Amt. Bot'm

Character of Bottom soft green M.

Thermom. { Make Cor'n { Instr.
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54° Time 11:32 } Air { 56°
 Time

Density: Surf. fms.

Wind: Direction N.N.E. Force 3.

Baromet. 29.94 Amt. of Clouds 9 State of Sea C

Weather ozp

Direction and Force of Current { Surface
 Bottom

Tide

General Locality 65° Oregon Coast

Position Tillamook Light bears N 84° E (true) distant 19.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer C. L. S. Recorder C. L. S.

SOUNDING WIRE.

Q M. DOWN. UP. Q. M.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

11 28 10 41 31 20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 145 Date, May 8, 1914
Hydrog. }
Sdg. Mch. T N Reel T N Shot 25 lbs.
Lead }
Turns 22 Cor'n Depth 56 fms.
Sdg. Cup 5 ft 10 in Amt. Bot'm Sample
Character of Bottom soft green mud

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 { {

Density: Surf. fms.

Wind: Direction SSE Force 2

Baromet. 29.92 Amt. of Clouds 7 State of Sea 4

Weather b c m

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears N 86° E (true) distant 22.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mahoney Recorder

SOUNDING WIRE.

M. Down. Up. *P* M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

dredge } No. 556 Date, May 8, 1911
Hydrog. }
Sdg. Mch. T N Reel 1 N Shot Lead 25 lbs.
Turns 112 Cor'n Depth 78 fms.
Sdg. Cup 1/2 cup Amt. Bot'm Sample
Character of Bottom fine bottom rock

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 12:30 } Air { 55 }
Time

Density: Surf. fms.

Wind: Direction SSE Force 3

Baromet. 29.83 Amt. of Clouds 9 State of Sea C

Weather bc pg

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears N 87° E (true) distant 25.1 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. P. J. J. Recorder C. H. K.

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Druck. } No. 7 Date, 1911

Hydrog. } No. 7 Date, 1911

Sdg. Mch. 172 Reel Shot Lead 25 lbs.

Turns 172 Cor'n Depth 4 fms.

Sdg. Cup 2.0 ft deep Amt. Bot'm Sample

Character of Bottom soft green mud

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 Time 12:43 P Air { 55

Density: Surf. fms.

Wind: Direction SSE Force 3

Baromet. 29.93 Amt. of Clouds 9 State of Sea C

Weather bc pg

Direction and Force of Current { Surface Bottom

Tide

General Locality off Oregon Coast

Position Tillamook Light bears N 87 1/2° E (true) distant 25.6 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. P. Pippo Recorder C. E. Cook

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.	Up.	P. M.
12 43 30	12 49 20	

M. Down.	Up.	M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Lead } No. 558 Date, 19

Sdg. Mch. T N Reel T N Shot Lead lbs.

Turns 142 Cor'n Depth 77 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading L-44, R-45 Cor'd Temp.

Temp. Surf. { 52 Time 1:03 P Air { 55

Density: Surf. fms.

Wind: Direction SSE Force 3

Baromet. 29.93 Amt. of Clouds 9 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears N 87° E (true) distant 25.1 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Ekman Trawl Benthic

Aluminum Horn Sample

Time towing h. m.

Remarks: Trawl towed at 1:00 P.M. at 1:12 P.M. - Rtd. at 1:14 P.M. - Rtd. at 3:00 P.M.

Time Wet bulk Dry bulk 1:00 P.M. 53.2 56.0

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

1.03 7.27

FMS.

DREDGING CABLE.

M. Down. Up. M.

Excess Water
Bottle

70

1 43 30 1 50 -
1 45 - 1 51 25

400

500

600

700

800

900

1000

1100

1200

1300

500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

18
No. 5559 Date, May 8, 1914
Sdg. Mch. 1 N Reel T1 Shot/Lead 2.8 lbs.
Turns 152 Cor'n Depth 85 fms.

Sdg. Cup Amt. Bot'm Sample
Character of Bottom Mx Green mud
Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 54 Time 3:43.3 } Air { 54 }
Time

Density: Surf. fms.
Wind: Direction SE Force 3-4
Baromet. 29.72 Amt. of Clouds 10 State of Sea C
Weather 03

Direction and Force of Current { Surface Bottom
Tide

General Locality Off Oregon Coast

Position Tillamook Light bears S 86 1/2° E (true) distant 25.3 miles
Chart used: No. 6100 Ed'n

Drift: Direction Distance
Depth of Haul
Apparatus and Rig used

Time towing h. m.
Remarks:

Deck Officer Recorder
11-1023

SOUNDING WIRE.

P M. Down.

Up. P

M.

3 43

3 47

FMS.

DREDGING CABLE.

M. Down. Up.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

19

Dredge } No. 5560 Date, May 8, 1914
 Hydrog. }
 Sdg. Mch. 7N Reel 7N Shot Lead 35 lbs.
 Turns 156 Cor'n Depth 85 fms.

Sdg. Cup - *forming* Amt. Bot'm Sample

Character of Bottom - *soft M*

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54 Time 4:16 } Air { 54
 { Time {

Density: Surf. fms.

Wind: Direction SE Force 2-4

Baromet. 29.92 Amt. of Clouds 10 State of Sea C

Weather C

Direction and Force { Surface
 of Current. { Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears 87 1/2° E (true) distant 25.9 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder *Gratuit*

SOUNDING WIRE.

M. Down.	Up.	M.
4 16	4	20

FMS.

DREDGING CABLE.

M. Down.	Up.	M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

20

Dredge } No. 5568 Date, July 8, 1914
 Hydrog. }
 Sdg. Mch. TN Reel TN Shot } 25 lbs.
 Lead }
 Turns 148 Cor'n _____ Depth 81 fms.
 Sdg. Cup Arming Amt. Bot'm Sample _____
 Character of Bottom Sft. M. S.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 54 Time 4:51.3 } Air { 71
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 4

Baromet. 29.92 Amt. of Clouds 10 State of Sea C

Weather 9.5

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Off Oregon Coast

Position Tillamook Light bears 87 3/2° E (true) distant 26.9 miles

Chart used: No. 6100 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Glick Recorder Mr. Glick

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>P</u> M. Down.	Up.	<u>P</u> M.		<u>---</u> M. Down.	Up.	<u>---</u> M.
4	57	4	57			
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

21
Dredge } No. 5562 Date, May 8, 1914
Hydrog. }
Sdg. Mch. TN Reel TN Shot 25 lbs.
Lead
Turns 161 Cor'n Depth 88 fms.
Sdg. Cup Arming Amt. Bot'm Sample
Character of Bottom Mgn. M.
Thermom. { Make Cor'n { Instr.
 { No. { Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { 52° Time 5:30 } Air { 54°
 { { {
 { { {
Density: Surf. fms.
Wind: Direction S.E. Force 3-4
Baromet. 29.92 Amt. of Clouds 9 State of Sea M.
Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality Off Oregon Coast

Position Tillamook Light bears S68°E (true) distant 28.2 miles

Chart used: No. 6100 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder C. E. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>P</u> M. DOWN.	UP.	<u>P</u> M.		--- M. DOWN.	UP.	--- M.
5-23	5-0	5-27 35-	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Pos. and Psychrometer
checked W.C.S.
June 17-1914

5-34-5-0

$$164 = 89$$